

TFW

PATENT  
Docket No.: 19603/3356 (CRF D-1595F)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants :	Barany et al.	)	Examiner:
Serial No. :	09/963,920	)	P. Ponnaluri
Cnfrm. No. :	1149	)	Art Unit:
Filed :	September 26, 2001	)	1639
For :	DETECTION OF NUCLEIC ACID SEQUENCE	)	
	DIFFERENCES USING THE LIGASE	)	
	DETECTION REACTION WITH	)	
	ADDRESSABLE ARRAYS	)	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97-1.98

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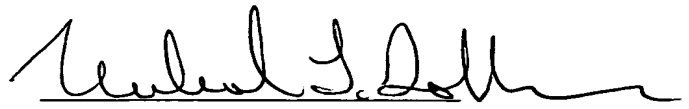
Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the references listed on the attached PTO/SB/08 form.

Pursuant to 37 C.F.R. § 1.98(a)(2)(ii), copies of the cited U.S. Patents (i.e., Reference Cite Nos. 1 -12) are not enclosed. Copies of all other listed references (i.e., Reference Cite Nos. 13-48) are enclosed herewith.

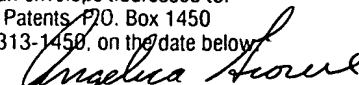
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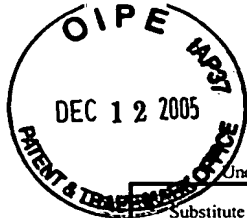
Respectfully submitted,

Date: December 5, 2005

  
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on the date below.	
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	09/963,920
Filing Date	September 26, 2001
First Named Inventor	Barany et al.
Art Unit	1639
Examiner Name	P. Ponnaluri
Attorney Docket Number	19603/3356 (CRF D-1595F)

Sheet 1 of 4

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-5,035,996	07-30-1991	Hartley	
	2	US-5,314,809	05-24-1994	Erlich et al.	
	3	US-5,407,798	04-18-1995	Martinelli et al.	
	4	US-5,418,149	05-13-1995	Gelfand et al.	
	5	US-5,536,649	07-16-1996	Fraiser et al.	
	6	US-5,593,840	01-14-1997	Bhatnagar et al.	
	7	US-5,731,171	03-24-1998	Bohlander	
	8	US-5,800,984	09-01-1998	Vary	
	9	US-5,876,924	03-02-1999	Zhang et al.	
	10	US-5,912,148	06-15-1999	Eggerding	
	11	US-5,942,391	08-24-1999	Zhang et al.	
	12	US-6,569,647	05-27-2003	Zhang et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	13	WO 96/06190	02-29-1996	Eggerding		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	14	BIANCALANA et al., "Moderate Instability of the Trinucleotide Repeat in Spino Bulbar Muscular Atrophy," <i>Hum. Mol. Genet.</i> 1(4):255-258 (1992)	
	15	BRONNER et al., "Mutation in the DNA Mismatch Repair Gene Homologue <i>hMLH1</i> is Associated with Hereditary Non-Polyposis Colon Cancer," <i>Nature</i> 368:258-261 (1994)	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/963,920
				Filing Date	September 26, 2001
				First Named Inventor	Barany et al.
				Group Art Unit	1639
				Examiner Name	P. Ponnaluri
Sheet	2	of	4	Attorney Docket Number	19603/3356 (CRF D-1595F)

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	16	CAIRNS et al., "Homozygous Deletions of 9p21 in Primary Human Bladder Tumors Detected by Comparative Multiple Polymerase Chain Reaction," <i>Cancer Res.</i> 54:1422-1424 (1994)	
	17	CAWKWELL et al., "Frequency of Allele Loss of <i>DCC</i> , <i>p53</i> , <i>RBI</i> , <i>WT1</i> , <i>NF1</i> , <i>NM23</i> , and <i>PC/MCC</i> in Colorectal Cancer Assayed by Fluorescent Multiplex of Polymerase Chain Reaction," <i>Br. J. Cancer</i> 70(5):813-818 (1994)	
	18	CELI et al., "A Rapid and Versatile Method to Synthesize Internal Standards for Competitive PCR," <i>Nucleic Acids Research</i> 21(4):1047 (1993)	
	19	CHUNG et al., "Evidence for a Mechanism Predisposing to Intergenerational CAG Repeat Instability in Spinocerebellar Ataxia Type I," <i>Nat. Genet.</i> 5:254-258 (1993)	
	20	DENG et al., "An Improved Method of Competitive PCR for Quantitation of Gene Copy Number," <i>Nucleic Acids Research</i> 21(20):4848-4849 (1993)	
	21	FISHEL et al., "The Human Mutator Gene Homolog <i>MSH2</i> and its Association with Hereditary Nonpolyposis Colon Cancer," <i>Cell</i> 75:1027-1038 (1993)	
	22	GONZALEZ-ZULUETA et al., "Microsatellite Instability in Bladder Cancer," <i>Cancer Res.</i> 53:5620-5623 (1993)	
	23	HAN et al., "Genetic Instability in Pancreatic Cancer and Poorly Differentiated Type of Gastric Cancer," <i>Cancer Res.</i> 53:5087-5089 (1993)	
	24	IMBERT et al., "Origin of the Expansion Mutation in Myotonic Dystrophy," <i>Nat. Genet.</i> 4:72-76 (1993)	
	25	IONOV et al., "Ubiquitous Somatic Mutations in Simple Repeated Sequences Reveal a New Mechanism for Colonic Carcinogenesis," <i>Nature</i> 363:558-561 (1993)	
	26	KOIDE et al., "Unstable Expansion of CAG Repeat in Hereditary Dentatorubral-Pallidolusian Atrophy (DRPLA)," <i>Nat. Genet.</i> 6:9-13 (1994)	
	27	KREMER et al., "Mapping of DNA Instability at the Fragile X to a Trinucleotide Repeat Sequence p(CCG) <sub>n</sub> ," <i>Science</i> 22:1711-1714 (1991)	

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	28	LEACH et al., "Mutations of a <i>mutS</i> Homolog in Hereditary Nonpolyposis Colorectal Cancer," <i>Cell</i> 75:1215-1225 (1993)	
	29	MAO et al., "Microsatellite Alterations As Clonal Markers for the Detection of Human Cancer," <i>Proc. Natl. Acad. Sci. USA</i> 91:9871-9875 (1994)	
	30	MAO et al., "Molecular Detection of Primary Bladder Cancer by Microsatellite Analysis," <i>Science</i> 271:659-662 (1996)	
	31	MERLO et al., "Frequent Microsatellite Instability in Primary Small Cell Lung Cancer," <i>Cancer Res.</i> 54:2098-2101 (1994)	
	32	NAWROZ et al., "Allelotype of Head and Neck Squamous Cell Carcinoma," <i>Cancer Res.</i> 54:1152-1155 (1994)	
	33	NEWTON et al., "The Production of PCR Products with 5' Single-Stranded Tails Using Primers That Incorporate Novel Phosphoram Phosphoramidite Intermediates," <i>Nucleic Acids Research</i> 21(5):1155-1162 (1993)	
	34	NILSSON et al., "Padlock Probes: Circularizing Oligonucleotides for Localized DNA Detection," <i>Science</i> 265:2085-2088 (1994)	
	35	ORR et al., "Expansion of an Unstable Trinucleotide CAG Repeat in Spinocerebellar Ataxia Type 1," <i>Nat. Genet.</i> 4:221-226 (1993)	
	36	PAPADOPOULOS et al., "Mutation of a <i>mutL</i> Homolog in Hereditary Colon Cancer," <i>Science</i> 263:1625-1629 (1994)	
	37	PARK et al., "Detection of HCV RNA Using Ligation-Dependent Polymerase Chain Reaction in Formalin-Fixed, Paraffin-Embedded Liver Tissue," <i>Am. J. Pathology</i> 149(5):1485-1491 (1996)	
	38	PEINADO et al., "Isolation and Characterization of Allelic Losses and Gains in Colorectal Tumors by Arbitrarily Primed Polymerase Chain Reaction," <i>Proc. Natl. Acad. Sci. USA</i> 89:10065-10069 (1992)	
	39	PELTOMÄKI et al., "Microsatellite Instability is Associated with Tumors That Characterize the Hereditary Non-Polyposis Colorectal Carcinoma Syndrome," <i>Cancer Res.</i> 53:5853-5855 (1993)	

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	40	RADFORD et al., "Allelotyping of Ductal Carcinoma <i>in Situ</i> of the Breast: Deletion of Loci on 8p, 13q, 16q, 17p and 171," <i>Cancer Res.</i> 55:3399-3406 (1995)	
	41	RISINGER et al., "Genetic Instability of Microsatellites in Endometrial Carcinoma," <i>Cancer Res.</i> 53:5100-5103 (1993)	
	42	RUPPERT et al., "Evidence for Two Bladder Cancer Suppressor Loci on Human Chromosome 9," <i>Cancer Res.</i> 53:5093-5095 (1993)	
	43	SYVÄNEN et al., "Identification of Individuals by Analysis of Biallelic DNA Markers, Using PCR and Solid-Phase Minisequencing," <i>Am. J. Hum. Genet.</i> 52:46-59 (1993)	
	44	THE HUNTINGTON'S DISEASE COLLABORATIVE RESEARCH GROUP, "A Novel Gene Containing a Trinucleotide Repeat That is Expanded and Unstable on Huntington's Disease Chromosomes," <i>Cell</i> 72:971-983 (1993)	
	45	THIBODEAU et al., "Microsatellite Instability in Cancer of the Proximal Colon," <i>Science</i> 260:816-819 (1993)	
	46	VAN DER RIET et al., "Frequent Loss of Chromosome 9p21-22 Early in Head and Neck Cancer Progression," <i>Cancer Res.</i> 54:1156-1158 (1994)	
	47	WEGMÜLLER et al., "Combination of Oligonucleotide Ligation and PCR to Detect Point Mutations," (unpublished)	
	48	WEISSENBAACH et al., "A Second-Generation Linkage Map of the Human Genome," <i>Nature</i> 359:794-801 (1992)	

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